

NATIONAL POLLUTANT DISCHARGE MINIMIZATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if Different)
 NAME: TENESD, CITY OF
 ADDRESS: P.O. BOX 126
 TENESD, ID 83870
 FACILITY: TENESD, CITY OF
 LOCATION: 211 C STREET, ON COEUR D'ALENE RESERVATION
 TENESD, ID 83870
 ATTN: FAITH HARVEY, MAYOR

ID0025101
 PERMIT NUMBER

001-A
 DISCHARGE NUMBER

DMR Mailing ZIP CODE: 83870
 MINOR: (SUBR 01)
 External Outfall: ☐ No Discharge ☐

MONITORING PERIOD
 FROM: 05/01/2011 TO: 05/31/2011

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, 5-day, 20 deg. C	1.72	MO AVG			8.63					Monthly	GRAB
00310 TSS Effluent Gross	8	MO AVG			67					Monthly	GRAB
BOD, 5-day, 20 deg. C	2.54	MO AVG			8.63					Monthly	GRAB
00310 G.O. Raw Sewage Influent	11	WKLY AVG			8.63					Monthly	GRAB
00310 WQ See Comments	7.6	WKLY AVG			8.7					Monthly	GRAB
00400 TSS Effluent Gross	6.5	WKLY AVG			8.7					Monthly	GRAB
Solids, total suspended	1	WKLY AVG			8					Monthly	GRAB
00530 TSS Effluent Gross	8	WKLY AVG			88					Monthly	GRAB
Solids, total suspended	1.46	WKLY AVG			8					Monthly	GRAB
00530 G.O. Raw Sewage Influent	11	WKLY AVG			8					Monthly	GRAB
Solids, total suspended	11	WKLY AVG			8					Monthly	GRAB

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER
 Robert D. Hartsock
 TYPED OR PRINTED

TELEPHONE: 208 374 3239
 DATE: 06/12/2011

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: Robert D. Hartsock

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 MONITORING LOCATION "W" IS FOR EFFLUENT FACILITY AUTHORIZED TO DISCHARGE: JAN., MARCH, APRIL, MAY, NOV., DEC.

Figure 1. June 2011 DMR.

4-18-11 (8:15am) - Pump #1 - 3284.46
 4-18-11 (8:15am) - Pump #2 - 4431.38
 4-18-11 (8:15am) - Pump #3 - 3310.73
 4-18-11 (8:15am) - Pump #4 - 3310.73
 4-18-11 (8:15am) - Pump #5 - 3310.73
 4-18-11 (8:15am) - Pump #6 - 3310.73
 4-18-11 (8:15am) - Pump #7 - 3310.73
 4-18-11 (8:15am) - Pump #8 - 3310.73
 4-18-11 (8:15am) - Pump #9 - 3310.73
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 4-18-11 (8:15am) - Pump #14 - 3310.73
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 4-18-11 (8:15am) - Pump #16 - 3310.73
 4-18-11 (8:15am) - Pump #17 - 3310.73
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 4-18-11 (8:15am) - Pump #19 - 3310.73
 4-18-11 (8:15am) - Pump #20 - 3310.73
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 4-18-11 (8:15am) - Pump #90 - 3310.73
 4-18-11 (8:15am) - Pump #91 - 3310.73
 4-18-11 (8:15am) - Pump #92 - 3310.73
 4-18-11 (8:15am) - Pump #93 - 3310.73
 4-18-11 (8:15am) - Pump #94 - 3310.73
 4-18-11 (8:15am) - Pump #95 - 3310.73
 4-18-11 (8:15am) - Pump #96 - 3310.73
 4-18-11 (8:15am) - Pump #97 - 3310.73
 4-18-11 (8:15am) - Pump #98 - 3310.73
 4-18-11 (8:15am) - Pump #99 - 3310.73
 4-18-11 (8:15am) - Pump #100 - 3310.73

Figure 2. Operations log for Tensed.

DMR Worksheet (May 2011)

2 gals every 6.7 sec = 3.3 gal/sec = 17.7 gal/min = 1062 gal/hr = 25,776 day

2 gals every 6.7 sec = 3.3 gal/sec = 17.7 gal/min = 1062 gal/hr = 25,776 day

2 gals every 7 sec = 3.5 gal/sec = 21 gal/min = 1260 gal/hr = 30,240 day

2 gals every 12.5 sec = 6.4 gal/sec = 384 gal/min = 23040 gal/hr = 552,960 day

2 gals every 14.9 sec = 4.7 gal/sec = 282 gal/min = 16920 gal/hr = 406,080 day

2 gals every 8.7 sec = 4.3 gal/sec = 258 gal/min = 15480 gal/hr = 371,520 day

AVG = 1024 MOD MAX = 0.35 MOD

E. Coli = 27 - 10% = 2 - 2 - 7.8 - 2

pb = 2.7 - 7.8 - 8.1 - 8.2 - 7.6 - 7.7 - 8.7

TA Chlorine = 0.8 - 0.2 - 0.2 - 0.8 - 0.9 - 0.3 - 0.6 AVG = 0.11

Infl BOD 6.70 Infl TSS 58

Eff BOD 8.63 = 87.7% Eff TSS 5 = 94.7%

BOD MAX = 8.63 x 0.35 x 8.34 = 2.52

BOD AVG = 8.63 x 0.24 x 8.34 = 1.72

TSS MAX = 5 x 0.35 x 8.34 = 1.46

TSS AVG = 5 x 0.24 x 8.34 = 1.00

TA Chlor MAX = 0.11 x 0.35 x 8.34 = 0.03

TA Chlor AVG = 0.11 x 0.24 x 8.34 = 0.02

2 = 1.431

1046.3 = 3.020

2 = 0.301

2 = 0.301

7.8 = 0.892

2 = 0.301

6/6.246 = 1.041 = 11 AVG.

PARAMETER	VALUE
SAMPLE MEASUREMENT	1.72
PERMIT REQUIREMENT	1.00
SAMPLE MEASUREMENT	1.46
PERMIT REQUIREMENT	1.00
SAMPLE MEASUREMENT	0.03
PERMIT REQUIREMENT	0.02
SAMPLE MEASUREMENT	0.02
PERMIT REQUIREMENT	0.02
SAMPLE MEASUREMENT	1.46
PERMIT REQUIREMENT	1.00

Figure 3. Calculation sheet for June 2011 DMR.



Figure 4. Operator unlocking lift station at lagoon site.



Figure 5. Interior of lift station at lagoon site.



Figure 6. Pump control panel at lagoon site.



Figure 7. Lagoon site copy of Operation and Maintenance manual kept below pump controls.



Figure 8. Looking west at Lagoon #2.



Figure 9. Looking west at a moose in corner of Lagoon #2. Note weed growth along lagoon berms.



Figure 10. Looking northeast at inlet (smooth water area) into Lagoon #1.



Figure 11. Transfer structure from lagoons to disinfection.



Figure 12. Sodium hypochlorite tablet holder in disinfection chamber.



Figure 13. Valve to allow effluent to flow through disinfection chamber.



Figure 14. Surface above chlorine contact chamber (under dead grass).



Figure 15. Flow structure between chlorine contact chamber and final settling pond (hidden in long grass and weeds).



Figure 16. Final settling pond prior to discharge.



Figure 17. Effluent sampling weir.



Figure 18. Interior of effluent sampling weir. Note high water marks in left side of vault, reportedly from high runoff this spring.



Figure 19. Discharge point to Hangman Creek (approximately 200 feet away near center of photo).



Figure 20. Looking southeast toward Hangman Creek (dark green line of vegetation) from lagoon berm.